STANDARD FORM NO. 64

CONFIDENTIAL

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, R&D/EP

DATE: 25 April 1960

FROM : Chief, R&D Laboratory

SUBJECT: Evaluation of the Recorder/Reproducer Magnetic Tape, CB-14 (Project No. 2004-I59)

An evaluation was attempted on the subject equipment. Because of the various defects found, the evaluation was suspended and the equipment returned to you. A list of the defects is attached.

[redacted] 25X1

Attachment: A&A Report No. 260

[redacted] 25X1

[redacted] 25X1

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CB-14 RECORDER/REPRODUCER AND BATTERY CHARGER

25X1

The attempt to evaluate the CB-14 prototype equipment was terminated because of the many defects found:

(a) The accessory battery charger was defective.

This defect was corrected by resoldering poor connections.

(b) The recorder initially blew fuses.

This was corrected by removing a short circuit which had occurred inadvertently when the unit was placed in its case.

(c) Protruding components make removal and replacement of the recorder in its case difficult.

(d) The playback amplifiers are mounted insecurely and rub the flywheel.

(e) The tape transport slows down in either the play or record mode when any headphones other than crystal (20 megohms) are connected to the output.

(f) The playback speed of the tape transport is different from the record speed when the monitor switch is in the "tape" position.

(g) The capstan motor requires approximately 3 seconds to reach normal record or playback speed.

(h) The unit does not record on channel 2.

(i) No output is observed when the monitor switch is in the "monitor" position.

(j) Excessive solder flux on most of the printed circuit boards may cause unwanted corrosion.

(k) The printed circuitry on some of the printed boards is detached from its phenolic base.

(l) No trouble-shooting information or schematic diagrams are furnished with the equipment.